

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Diamond Shamrock Refining Company, L.P.

AUTHORIZING THE OPERATION OF
Three Rivers Refinery
Petroleum Refining

LOCATED AT
Live Oak County, Texas
Latitude 28° 27' 32" Longitude 98° 11' 14"
Regulated Entity Number: RN100542802

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1450 Issuance Date: April 18, 2012

For the Commission

Table of Contents

Section	Page
General Terms and Conditions	1
Special Terms and Conditions	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting	1
Additional Monitoring Requirements	11
New Source Review Authorization Requirements	12
Compliance Requirements.....	13
Risk Management Plan	15
Protection of Stratospheric Ozone	15
Alternative Requirements	15
Permit Location.....	16
Permit Shield (30 TAC § 122.148)	16
Attachments	17
Applicable Requirements Summary	18
Additional Monitoring Requirements	122
Permit Shield.....	134
New Source Review Authorization References.....	145
Consent Decree Requirements.....	159
Alternative Requirement.....	161
Appendix A	166
Acronym List	167

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD. No later than compliance date identified in 40 CFR Part 63, Subpart DDDDD, the permit holder shall submit a revision application to codify the requirements in the permit.
 - F. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
 - G. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.372 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
 - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)
 - (v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
 - (vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
 - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other

structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

- B. However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as

required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

- C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- D. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.209 (relating to Exception for Disposal Fires)
 - (iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
 - (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)

- G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
5. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
 - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
 - C. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)
 - D. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
 - E. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
 - F. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - G. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - H. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
 - I. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment
 - J. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
 - K. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
 - L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
 - M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
7. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
 - B. Title 40 CFR § 61.342(e)(1) (relating to Standards: General)
 - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
 - D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
 - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
 - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
 - G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
 - H. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
 - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
 - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

- K. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
 - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
 - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
 - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
 - O. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
 - P. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste
8. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
 - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
9. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)
 - B. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
 - C. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
 - D. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - E. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - F. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
11. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).
12. For the chemical manufacturing facilities subject to transfer operations requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. Title 40 CFR § 63.126(e)(1) - (2), and (f) (relating to Transfer Operations Provisions - Reference Control Technology)
 - B. Title 40 CFR § 63.128(f)(1) - (2) (relating to Transfer Operations Provisions - Test Methods and Procedures)
 - C. Title 40 CFR § 63.130(e) (relating to Transfer Operations Provisions - Periodic Recordkeeping and Reporting)
13. For sources subject to emission standards in 40 CFR Part 63, Subpart CC, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.340 incorporated by reference):
 - A. Title 40 CFR § 63.640(l)(3) - (4) (relating to Applicability and Designation of Affected Source), for units and equipment added to an existing source
 - B. Title 40 CFR § 63.640(m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
 - C. Title 40 CFR § 63.642(c) (relating to General Standards), for applicability of the General Provisions of Subpart A
 - D. Title 40 CFR § 63.642(e) (relating to General Standards), for recordkeeping
 - E. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting
 - F. Group 1 process wastewater streams not managed in a wastewater management unit subject to 40 CFR Part 63, Subpart G shall comply with 40 CFR Part 61, Subpart FF as specified in 40 CFR §§ 63.647(a) - (c) and 63.655(a)
14. The permit holder shall comply with the requirement to prepare and implement an Operations and Maintenance plan in accordance with 40 CFR Part 63,

Subpart UUU, § 63.1574(f) (Title 30 TAC Chapter 113, Subchapter C, § 113.780 incorporated by reference).

15. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that will remove remediation material containing less than 1 megagram per year of the HAP listed in Table 1 to Subpart GGGGG, the permit holder shall comply with 40 CFR § 63.7881(c)(1) - (3) (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference).
16. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that are completed within 30 consecutive calendar days the permit holder shall comply with 40 CFR § 63.7884(b), (b)(1) - (3) (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference).
17. For containers managing remediation materials subject to 40 CFR Part 63, Subpart GGGGG, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference):
 - A. Title 40 CFR § 63.922(b)(1) - (3), (c), (d)(1) - (5), (e), and (f)(1) - (4) (relating to Standards - Container Level 1 Controls)
 - B. Title 40 CFR § 63.923(b)(1) - (3), (c), (d)(1) - (5), (e), and (f)(1) - (4) (relating to Standards - Container Level 2 Controls)
 - C. Title 40 CFR § 63.924(b)(1) - (2), (c)(1), and (d) (relating to Standards - Container Level 3 Controls)
 - D. Title 40 CFR § 63.925(a)(1) - (8), and (b)(1) - (3) (relating to Test Methods and Procedures)
 - E. Title 40 CFR § 63.926(a)(1) - (3) (relating to Inspection and Monitoring Requirements)
 - F. Title 40 CFR § 63.7901(b) and (b)(1), for initial demonstration of compliance
 - G. Title 40 CFR § 63.7901(b)(2), for initial demonstration of compliance
 - H. Title 40 CFR § 63.7901(c), (c)(1), and (c)(2), for initial demonstration of compliance
 - I. Title 40 CFR § 63.7901(d), and (d)(1) - (4), for initial demonstration of compliance
 - J. Title 40 CFR § 63.7901(e), (e)(1), and (e)(2), for initial demonstration of compliance
 - K. Title 40 CFR § 63.7902(b), (b)(1), and (b)(2), for inspection and monitoring

- L. Title 40 CFR § 63.7903(b) and (b)(1), for continuous demonstration of compliance
 - M. Title 40 CFR § 63.7903(b)(2), (b)(2)(i), (b)(2)(ii), for continuous demonstration of compliance
 - N. Title 40 CFR § 63.7903(c)(4), (c)(4)(i), and (c)(4)(ii), for continuous demonstration of compliance
 - O. Title 40 CFR § 63.7903(d)(5), (d)(5)(i), and (d)(5)(ii), for continuous demonstration of compliance
 - P. Title 40 CFR § 63.7903(e)(1) - (3), for continuous demonstration of compliance
 - Q. Title 40 CFR § 63.7952(c), for recordkeeping
18. The refinery flares listed in the Consent Decree Requirements Summary attachment shall meet the limitations, monitoring, reporting, testing and other requirements listed in the Consent Decree Requirements Summary attachment to assure compliance with the permit. The Consent Decree Requirements Summary incorporates requirements set forth by the United States District Court for the Western District of Texas, Austin Division in the Consent Decree in Civil Action No. SA05CA0569. (Date of Entry: 11/25/2005, Date of Log In: 6/16/2005).

Additional Monitoring Requirements

19. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
- A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
 - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
 - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a

regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

- D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
 - E. The permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective action:
 - (i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or
 - (ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
 - F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
20. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

- 21. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special

permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

- A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
22. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
23. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
24. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

25. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from

monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

26. Use of Emission Credits to comply with applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
- B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

27. Use of Discrete Emission Credits to comply with the applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables

- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
- (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

Risk Management Plan

28. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

29. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Alternative Requirements

30. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or

requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from (the EPA Administrator and/or TCEQ Executive Director), demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

31. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

32. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Consent Decree Requirements

Alternative Requirement

Applicable Requirements Summary

Unit Summary	19
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Applicable Requirements Summary	48
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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
APISEP	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
B-007	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db	40 CFR Part 60, Subpart Db	No changing attributes.
B-007	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
B-007	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]
B-010	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db	40 CFR Part 60, Subpart Db	No changing attributes.
B-010	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja	40 CFR Part 60, Subpart Ja	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
B-010	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-2	40 CFR Part 60, Subpart Ja	FACILITY TYPE = Fuel gas combustion device, other than a flare or process heater, that meets requirements in § 60.107a(a)(3)(i)-(iv) [inherently low in sulfur content].
ENG-ADMIN	SRIC ENGINES	N/A	60III	40 CFR Part 60, Subpart III	No changing attributes.
ENG-ADMIN	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-INSTAIR	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SEC	SRIC ENGINES	N/A	60III	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SEC	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-003	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-003	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
FL-003	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-001	40 CFR Part 60, Subpart J	No changing attributes.
FL-003	FLARES	N/A	63A	40 CFR Part 63, Subpart A	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FL-003	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-005	40 CFR Part 63, Subpart UUU	No changing attributes.
FL-004	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-004	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
FL-004	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-001	40 CFR Part 60, Subpart J	No changing attributes.
FL-004	FLARES	N/A	63A	40 CFR Part 63, Subpart A	No changing attributes.
FL-005	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-005	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
FL-005	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
FL-005	FLARES	N/A	63A	40 CFR Part 63, Subpart A	No changing attributes.
FL-006	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FL-006	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
FL-006	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-001	40 CFR Part 60, Subpart J	No changing attributes.
FL-006	FLARES	N/A	63A	40 CFR Part 63, Subpart A	No changing attributes.
FL-501	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-501	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
FL-501	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-001	40 CFR Part 60, Subpart J	No changing attributes.
FL-501	FLARES	N/A	63A	40 CFR Part 63, Subpart A	No changing attributes.
FL-501	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-003	40 CFR Part 63, Subpart UUU	No changing attributes.
FUG-CC-EXT	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
FUG-CC-NEW	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FUG-GGG	FUGITIVE EMISSION UNITS	N/A	6oGGG-01	40 CFR Part 60, Subpart GGG	No changing attributes.
FUG-HON	FUGITIVE EMISSION UNITS	N/A	63H	40 CFR Part 63, Subpart H	No changing attributes.
GRP-111	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	H-004, H-010, H- 012, H-013, H- 014, H-016, H- 018, H-019, H- 020, H-021, H- 022, H-028, H- 031, H-032, H- 033, H-034, H- 035, H-037, H- 038, H-040, H- 041, H-043, H- 044, H-045, H- 046, H-1001	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-BLR1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	B-004 6F1A, B- 004 6F1B, B-005, B-006	6oJ	40 CFR Part 60, Subpart J	No changing attributes.
GRP-BLR1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	B-004 6F1A, B- 004 6F1B, B-005, B-006	6oJ-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-HTR1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	H-004, H-010, H-012, H-013, H-014, H-016, H-018, H-019, H-020, H-021, H-022, H-028, H-031, H-032, H-033, H-034, H-035, H-037, H-038, H-040, H-041, H-043, H-044, H-045, H-046, H-1001	60J	40 CFR Part 60, Subpart J	No changing attributes.
GRP-HTR1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	H-004, H-010, H-012, H-013, H-014, H-016, H-018, H-019, H-020, H-021, H-022, H-028, H-031, H-032, H-033, H-034, H-035, H-037, H-038, H-040, H-041, H-043, H-044, H-045, H-046, H-1001	60J-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]
GRP-HTR2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	H-023, H-026, H-039, H-1002	60J	40 CFR Part 60, Subpart J	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-HTR2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	H-023, H-026, H- 039, H-1002	60J-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]
GRP- KNOCKENG	SRIC ENGINES	KNOCK-1, KNOCK-2, KNOCK-3, KNOCK-4	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-LABSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	LABSTK1, LABSTK2, LABSTK3, LABSTK4, LABSTK5, LABSTK6	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKEFR	STORAGE TANKS/VESSELS	S-033, S-037, S-038, S-040, S-041, S-043, S-333, S-334, S-335, S-337, S-338	63CC-HIVP	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, SEAL TYPE = Two seals, one above the other, the primary seal being a metallic shoe seal, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRP-TKEFR	STORAGE TANKS/VESSELS	S-033, S-037, S-038, S-040, S-041, S-043, S-333, S-334, S-335, S-337, S-338	63CC-LOVP	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRP-TKFF	STORAGE TANKS/VESSELS	680-SB-15, 680-T-10, 680-T-13, 680-T-15, 680-T-16, D-1520, D-6801, DAF-100, M-6801, T-680-2, T-680-3, T-680-5, V-121	61FF	40 CFR Part 61, Subpart FF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKFFKB	STORAGE TANKS/VESSELS	S-680-6, S-680-7, S-680-8, S-680-9	61FF-MSS	40 CFR Part 61, Subpart FF	No changing attributes.
GRP-TKFXR1	STORAGE TANKS/VESSELS	S-007, S-008, S- 031, S-032, S-034, S-035, S-042, S- 044, S-108, S-127, S-128, S-129, S- 130, S-201, S-206, S-207, S-208, S- 209, S-210, S-211, S-212, S-213, S- 214, S-215, S-216, S-217, S-218, S- 219, S-220, S-221, S-222, S-223, S- 224, S-225, S-401, S-402	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-TKFXR2	STORAGE TANKS/VESSELS	S-114, S-115, S-116, S-200	63CC-01	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKHON	STORAGE TANKS/VESSELS	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	63G-2SEAL	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
GRP-TKHON	STORAGE TANKS/VESSELS	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	63G-LOVP	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKHON	STORAGE TANKS/VESSELS	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	63G-MSS	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKHON	STORAGE TANKS/VESSELS	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	63G-VAPOR	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = VAPOR MOUNTED SEAL AS OF DEC 31, 1992

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKHON	STORAGE TANKS/VESSELS	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	63G-Y2SEAL	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKHON	STORAGE TANKS/VESSELS	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	63G-YMSS	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKIFR1	STORAGE TANKS/VESSELS	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	63CC-2SEAL	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = Two seals mounted one above the other so that each forms a continuous closure that completely cover the space between the wall of the storage vessel and the edge of the internal floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRP-TKIFR1	STORAGE TANKS/VESSELS	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	63CC-LOVP	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKIFR1	STORAGE TANKS/VESSELS	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	63CC-MSS	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = Metallic shoe seal (as defined in 40 CFR § 63.111), GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKIFR1	STORAGE TANKS/VESSELS	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	63CC-VAPOR	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = VAPOR-MOUNTED SEAL AS OF DECEMBER 31, 1992, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRP-TKIFR2	STORAGE TANKS/VESSELS	S-339, S-340	60Kb-HIVP	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-TKIFR2	STORAGE TANKS/VESSELS	S-339, S-340	60Kb-MIDVP	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-TKIFR2	STORAGE TANKS/VESSELS	S-339, S-340	61FF-MSS	40 CFR Part 61, Subpart FF	No changing attributes.
GRP-TKIFR2	STORAGE TANKS/VESSELS	S-339, S-340	63CC-HIVP	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-VISBLE	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	B-004 6F1A, B- 004 6F1B, B-005, B-006, B-007, B- 010, H-023, H- 026, H-039, H- 1002, V-003, V- 006, V-007, V- 008, V-009	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H-030	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H-030	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
H-030	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]
H-036	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
H-036	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
H-036	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]
H-047	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H-047	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
H-047	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-2	40 CFR Part 60, Subpart J	FACILITY TYPE = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content]
L-002	LOADING/UNLOADING OPERATIONS	N/A	R5211	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
L-002	LOADING/UNLOADING OPERATIONS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
L-002	LOADING/UNLOADING OPERATIONS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
L-005	LOADING/UNLOADING OPERATIONS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
P-600	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
P-601	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
P-95	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
PROBTXUNIT	CHEMICAL MANUFACTURING PROCESS	N/A	63F	40 CFR Part 63, Subpart F	No changing attributes.
PRO-SRU1	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	REG2	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
PRO-SRU1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-009	40 CFR Part 63, Subpart UUU	No changing attributes.
PRO-SRU2	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	REG2	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PRO-SRU2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-010	40 CFR Part 63, Subpart UUU	No changing attributes.
PRO-WWTP	TREATMENT PROCESS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
PRO-WWTP	TREATMENT PROCESS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
S-036	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
S-310	STORAGE TANKS/VESSELS	N/A	63FF-01	40 CFR Part 61, Subpart FF	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-310	STORAGE TANKS/VESSELS	N/A	63CC-2SEAL	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = Two seals mounted one above the other so that each forms a continuous closure that completely cover the space between the wall of the storage vessel and the edge of the internal floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
S-310	STORAGE TANKS/VESSELS	N/A	63CC-LOVP	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-310	STORAGE TANKS/VESSELS	N/A	63CC-MSS	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = Metallic shoe seal (as defined in 40 CFR § 63.111), GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-310	STORAGE TANKS/VESSELS	N/A	63CC-VAPOR	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = VAPOR-MOUNTED SEAL AS OF DECEMBER 31, 1992, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
S-311	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-315	STORAGE TANKS/VESSELS	N/A	63CC-2SEAL	40 CFR Part 63, Subpart CC	Existing Source = The storage vessel is at an existing source., True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Fixed roof and an internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely cover the space between the wall of the storage vessel and the edge of the internal floating roof, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
S-315	STORAGE TANKS/VESSELS	N/A	63CC-LOVP	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-315	STORAGE TANKS/VESSELS	N/A	63CC-MSS	40 CFR Part 63, Subpart CC	Existing Source = The storage vessel is at an existing source., True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Fixed roof and an internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
S-315	STORAGE TANKS/VESSELS	N/A	63CC-VAPOR	40 CFR Part 63, Subpart CC	Existing Source = The storage vessel is at an existing source., True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Fixed roof and an internal floating roof, Seal Type = VAPOR-MOUNTED SEAL AS OF DECEMBER 31, 1992, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-315	STORAGE TANKS/VESSELS	N/A	63G-Y2SEAL	40 CFR Part 63, Subpart G	Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
S-315	STORAGE TANKS/VESSELS	N/A	63G-YMSS	40 CFR Part 63, Subpart G	Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)
S-354	STORAGE TANKS/VESSELS	N/A	60Kb-HIVP	40 CFR Part 60, Subpart Kb	No changing attributes.
S-354	STORAGE TANKS/VESSELS	N/A	63CC-HIVP	40 CFR Part 63, Subpart CC	No changing attributes.
S-680-21	STORAGE TANKS/VESSELS	N/A	61FF-MSS	40 CFR Part 61, Subpart FF	No changing attributes.
V-005	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FL003	40 CFR Part 63, Subpart CC	No changing attributes.
V-005	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FL004	40 CFR Part 63, Subpart CC	No changing attributes.
V-006	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-003	40 CFR Part 63, Subpart UUU	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
V-006	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-004	40 CFR Part 63, Subpart UUU	No changing attributes.
V-007	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-005	40 CFR Part 63, Subpart UUU	No changing attributes.
V-007	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-006	40 CFR Part 63, Subpart UUU	No changing attributes.
V-008	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
V-008	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-007	40 CFR Part 63, Subpart UUU	No changing attributes.
V-009	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
V-009	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-008	40 CFR Part 63, Subpart UUU	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
V-010	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
V-010	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
V-010	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-01	40 CFR Part 63, Subpart UUU	No changing attributes.
VCU-1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J	40 CFR Part 60, Subpart J	No changing attributes.
VENT-BTX	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63G-FL006	40 CFR Part 63, Subpart G	No changing attributes.
VENT-BTX	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63G-FL501	40 CFR Part 63, Subpart G	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
APISEP	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(e) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B-007	EU	60Db	SO2	40 CFR Part 60, Subpart Db	§ 60.40b(c)	Affected facilities that also meet the applicability requirements under subpart J or subpart Ja of this part are subject to the PM and NOX standards under this subpart and the SO2 standards under subpart J or subpart Ja of this part, as applicable.	None	None	None
B-007	EU	60Db	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B-007	EU	60Db	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
B-007	EU	60Db	NO _x	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
B-007	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B-007	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(B)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)
B-010	EU	60Db	SO ₂	40 CFR Part 60, Subpart Db	§ 60.40b(c)	Affected facilities that also meet the applicability requirements under subpart J or subpart Ja of this part are subject to the PM and NOX standards under this subpart and the SO ₂ standards under subpart J or subpart Ja of this part, as applicable.	None	None	None
B-010	EU	60Db	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B-010	EU	60Db	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
B-010	EU	60Db	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
B-010	EU	60Ja	HYDROGEN SULFIDE	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(c)(2) § 60.103a(d) § 60.103a(d)(1) § 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H ₂ S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H ₂ S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i-iv)	§ 60.108a(a)	§ 60.108(c)(6)(vii-x) § 60.108a(a) § 60.108a(b) § 60.108a(c) § 60.108a(c)(5) § 60.108a(c)(6) § 60.108a(c)(6)(i-iii) § 60.108a(c)(6)(v) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B-010	EU	60Ja-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(c)(2) § 60.103a(d) § 60.103a(d)(1) [G]§ 60.103a(e) § 60.107a(a)(3) § 60.107a(a)(3)(ii) § 60.107a(a)(4) [G]§ 60.107a(b)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H ₂ S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H ₂ S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(4)	§ 60.108a(a)	§ 60.108a(a) § 60.108a(b) § 60.108a(c) § 60.108a(c)(5) § 60.108a(c)(6) § 60.108a(c)(6)(i-iii) § 60.108a(c)(6)(v) § 60.108a(c)(6)(vii-x) [G]§ 60.108a(d)
ENG-ADMIN	EU	60III	CO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(e)-(f) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-ADMIN	EU	60III	Total Hydrocarbons/NO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 15 liters per cylinder and less than 20 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 8.7 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 94.8(a)(2).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-ADMIN	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 15 liters per cylinder and less than 30 liters per cylinder and is a 2007 - 2013 model year must comply with a PM emission limit of 0.50 g/KW-hr, as stated in 40 CFR 60.4202(e)(1), (e)(3) and 40 CFR 94.8(a)(2).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-ADMIN	EU	63ZZZZ	EXEMPT	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f).	None	None	§ 63.6645(c) § 63.6645(f)
ENG-INSTAIR	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
ENG-SEC	EU	60III	CO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SEC	EU	60III	NMHC and NO _x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-SEC	EU	60III	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SEC	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-SEC	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-003	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-003	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)	None	None
FL-003	EU	60J-001	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-003	CD	63A	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(iii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
FL-003	EU	63UUU-005	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(2) § 63.1562(e) § 63.1563(b) § 63.1566(a)(1) § 63.1566(a)(1)(i) § 63.1566(a)(2) § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(1) § 63.1566(b)(3) § 63.1566(b)(5) § 63.1566(b)(5)(i) § 63.1566(b)(6) § 63.1566(b)(6)(i) § 63.1566(b)(7) § 63.1566(b)(8) § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) [G]§ 63.1571(c) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	[G]§ 63.1572(c)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(4) § 63.1576(b)(5) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1570(f) § 63.1571(a)(1) § 63.1574(a) § 63.1574(a)(3) § 63.1574(a)(3)(i) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-004	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-004	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)	None	None
FL-004	EU	60J-001	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-004	CD	63A	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(iii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
FL-005	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-005	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-005	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
FL-005	CD	63A	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(iii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
FL-006	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-006	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)	None	None
FL-006	EU	60J-001	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
FL-006	CD	63A	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(iii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

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FL-501	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-501	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)	None	None
FL-501	EU	60J-001	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-501	CD	63A	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(iii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
FL-501	EU	63UUU-003	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(2) § 63.1562(e) § 63.1563(b) § 63.1566(a)(1) § 63.1566(a)(1)(i) § 63.1566(a)(2) § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(1) § 63.1566(b)(3) § 63.1566(b)(5) § 63.1566(b)(5)(i) § 63.1566(b)(6) § 63.1566(b)(6)(i) § 63.1566(b)(7) § 63.1566(b)(8) § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) [G]§ 63.1571(c) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	[G]§ 63.1571(c) [G]§ 63.1572(c)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(4) § 63.1576(b)(5) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1570(f) § 63.1571(a)(1) § 63.1574(a) § 63.1574(a)(3) § 63.1574(a)(3)(i) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
FUG-CC-EXT	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.163 [G]§ 63.171 [G]§ 63.176 § 63.648(f) § 63.655(d)(2)	Comply with the specified Subpart H requirements for pumps in light liquid service, instrument readings that define a leak are specified in Subpart CC, table 2.	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(6) § 63.648(c)(7) § 63.648(c)(8)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for non-reciprocating pumps in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.164 [G]§ 63.171 § 63.648(i) § 63.655(d)(2)	Comply with the specified Subpart H requirements for compressors which are not in hydrogen service.	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.165 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for pressure relief devices in gas/vapor service.	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for pressure relief device in liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.166 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for sampling connection systems.	[G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.167 [G]§ 63.171 [G]§ 63.175 § 63.655(d)(2)	Comply with the specified Subpart H requirements for open-ended valves and lines.	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(9) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.168 [G]§ 63.171 [G]§ 63.175 § 63.648(c)(9) § 63.655(d)(2)	Comply with the specified Subpart H requirements for valves in gas/vapor and light liquid service, instrument readings defining a leak are specified in Subpart CC, table 2.	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(8)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for valves in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(5) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.649(a) § 63.655(d)(2)	Connectors in gas/vapor or light liquid are subject to the requirements in heavy liquid service in §63.169. The leak definition for specified systems subject to §63.169 is 1,000 parts per million.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(4)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(2)(ii) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.174 § 63.649(e)	If an owner or operator elects to monitor connectors according to §63.649(b), (c), or (d), then the owner or operator shall monitor valves at the frequencies specified in table 9 of this subpart.	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d) § 63.649(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.649(g)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) § 63.655(f) § 63.655(f)(1)(v)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for connectors in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for instrumentation systems.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for closed vent systems.	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	[G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.11(b) § 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for flares.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(D)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-CC-NEW	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3)	None
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.593(b)(1)	Compressors in hydrogen service are exempt from the requirements of §60.592 if an owner or operator demonstrates that a compressor is in hydrogen service.	§ 60.593(b)(2) [G]§ 60.593(b)(3)	None	None
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) [G]§ 60.482-9 § 60.593(c)	Comply with the requirements as stated in §60.482-3 for reciprocating compressors that become subject under §60.14 and §60.15.	§ 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9	Comply with the requirements as stated in §60.482-3 for compressors.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	[G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m)	Comply with the requirements in as stated in §60.482-10 for flares.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m)	Comply with the requirements in as stated in §60.482-10 for closed-vent systems.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-8 for pressure relief devices in light-liquid service.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-GGG	EU	60GGG-01	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-HON	EU	63H	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-HON	EU	63H	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(m)	Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	[G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUG-HON	EU	63H	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUG-HON	EU	63H	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-HON	EU	63H	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-111	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-BLR1	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-BLR1	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104(a)(4)(iv)(B) § 60.105(a)(4)(iv)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)
GRP-HTR1	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-HTR1	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(B)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)
GRP-HTR2	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-HTR2	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(B)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)
GRP-KNOCKENG	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.7 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b)	For each existing non-emergency, non-black start stationary SI RICE with a site rating less than 100 HP, located at a major source, that are not 2SLB stationary RICE, you must comply with the requirements as specified in Table 2c.7.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRP-LABSTK	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TKEFR	EU	63CC-HIVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) [G]§ 63.655(h)(6)
GRP-TKEFR	EU	63CC-LOVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TKFF	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
GRP-TKFFKB	EU	61FF-MSS	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
GRP-TKFXR1	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TKFXR2	EU	63CC-01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-TKHON	EU	63G-2SEAL	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
GRP-TKHON	EU	63G-LOVP	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)

Applicable Requirements Summary

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GRP-TKHON	EU	63G-MSS	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
GRP-TKHON	EU	63G-VAPOR	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) [G]§ 63.119(b)(3)(iv) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)

Applicable Requirements Summary

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GRP-TKHON	EU	63G-Y2SEAL	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
GRP-TKHON	EU	63G-YMSS	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TKIFR1	EU	63CC-2SEAL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
GRP-TKIFR1	EU	63CC-LOVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

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GRP-TKIFR1	EU	63CC-MSS	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
GRP-TKIFR1	EU	63CC-VAPOR	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TKIFR2	EU	60Kb-HIVP	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
GRP-TKIFR2	EU	60Kb-MIDVP	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRP-TKIFR2	EU	61FF-MSS	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TKIFR2	EU	63CC-HIVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-VISBLE	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
H-030	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H-030	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
H-030	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(B)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H-036	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
H-036	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H-036	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(B)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)
H-047	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H-047	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
H-047	EU	60J-2	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(B)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.106(a)	§ 60.107(e)	§ 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
L-002	EU	R5211	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.211(2) § 115.212(b)(2) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(i) § 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.212(b)(3)(D) § 115.212(b)(3)(E) § 115.212(b)(4)(A) § 115.212(b)(4)(B) § 115.212(b)(4)(C) § 115.214(b)(1)(B) § 115.214(b)(1)(C)	Gasoline terminals, in the covered attainment counties, shall ensure that VOC emissions do not exceed 0.17lb/1,000gal, and until 4/30/00 in Gregg, Nueces, and Victoria Counties 0.67lb/1,000gal.	§ 115.212(b)(3)(B) § 115.212(b)(4)(C) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii) § 115.214(b)(2) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(6) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv)	§ 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B) [G]§ 115.216(3)(E)	None
L-002	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.650(a) § 60.502(a) § 60.502(d) § 60.502(g) § 60.502(h) § 60.502(i) § 63.422(a) § 63.422(b) § 63.427(b)	A gasoline loading rack classified under SIC 2911 located within a contiguous area and under common control with a petroleum refinery shall comply with specified sections.	§ 60.503(a) § 60.503(b) § 60.503(d) § 60.503(d)(1) § 60.503(d)(2) § 63.425(a) § 63.425(b) § 63.425(b)(1) § 63.425(b)(2) § 63.425(b)(3) § 63.427(a) § 63.427(a)(3) § 63.427(b) § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4)	§ 60.503(d)(2) § 63.425(b)(1) § 63.425(c) § 63.428(c)(1) § 63.428(c)(2) § 63.428(c)(2)(i) § 63.642(e) § 63.655(b) § 63.655(i)(5)	§ 63.428(c)(2) § 63.428(c)(2)(i) § 63.428(h)(1) § 63.640(l)(3) § 63.642(d)(2) § 63.642(f) § 63.655(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
L-002	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.126(c)	For each Group 2 transfer rack, maintain records as required in § 63.130(f). No other provisions for transfer racks apply to the Group 2 transfer rack.	None	§ 63.130(f) § 63.130(f)(1) § 63.130(f)(2) § 63.130(f)(3) § 63.130(f)(3)(i) § 63.130(f)(3)(ii)	§ 63.152(c)(4)(iii)
L-005	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.126(a) § 63.126(a)(1) § 63.126(a)(2) § 63.126(a)(3) § 63.126(b)(1) [G]§ 63.126(d)(3) § 63.126(g) § 63.126(h)	For Group 1 transfer racks shall operate a vapor collection system and control device for organic HAPs.	[G]§ 63.126(d)(3) § 63.127(a) § 63.127(a)(1) § 63.127(a)(1)(i) § 63.127(e) [G]§ 63.128(a)(10) § 63.128(a)(11) § 63.128(a)(2) § 63.128(a)(3) § 63.128(a)(4) § 63.128(a)(7) § 63.128(a)(7)(i)(A) § 63.128(a)(7)(ii) § 63.128(a)(8) [G]§ 63.128(a)(9) § 63.128(e)(2) § 63.152(g)(1)(i) [G]§ 63.152(g)(1)(ii) § 63.152(g)(1)(iii) § 63.152(g)(1)(iv) [G]§ 63.152(g)(1)(v)	§ 63.127(a)(1) § 63.129(a)(1) § 63.129(a)(4) § 63.129(a)(4)(i) § 63.129(a)(4)(ii) § 63.129(a)(4)(iii) § 63.130(f) § 63.130(f)(1) § 63.130(f)(2) § 63.130(f)(3) § 63.130(f)(3)(ii) [G]§ 63.152(a) [G]§ 63.152(f) § 63.152(g)(1) § 63.152(g)(1)(i) [G]§ 63.152(g)(1)(ii) § 63.152(g)(1)(iii) § 63.152(g)(1)(iv) [G]§ 63.152(g)(1)(v) [G]§ 63.152(g)(1)(vi) § 63.152(g)(2) § 63.152(g)(2)(i) § 63.152(g)(2)(ii) § 63.152(g)(2)(iii)	§ 63.129(a)(2) § 63.129(a)(3) § 63.129(a)(4) § 63.129(a)(4)(i) § 63.129(a)(4)(ii) § 63.129(a)(4)(iii) § 63.130(d)(1) § 63.130(d)(2) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6) § 63.152(g)(1) § 63.152(g)(2)(i) § 63.152(g)(2)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
P-600	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
P-601	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
P-95	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROBTXUN IT	PRO	63F	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.105(d)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6) [G]§ 63.104(b)	[G]§ 63.103(c) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d) [G]§ 63.104(f)(2)
PRO-SRU1	EU	REG2	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO2 to exceed the emission limits specified for stack effluent flow rates < 4,000 scfm as determined by the specified equation.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
PRO-SRU1	EU	63UUU-009	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1562(a) § 63.1562(b)(4) § 63.1562(e) § 63.1563(b) § 63.1569(a)(1) § 63.1569(a)(1)(i) § 63.1569(a)(3) § 63.1569(b)(2) § 63.1569(b)(3) § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU.	§ 63.1569(b)(1) § 63.1569(b)(4) § 63.1571(a)(1) § 63.1571(b)(1) § 63.1571(b)(2) § 63.1571(b)(4)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(d) § 63.1576(e) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1563(e) § 63.1570(f) § 63.1574(a) § 63.1574(a)(2) § 63.1574(a)(3) § 63.1574(a)(3)(ii) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO-SRU2	EU	REG2	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ to exceed the emission limits specified for stack effluent flow rates < 4,000 scfm as determined by the specified equation.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
PRO-SRU2	EU	63UUU-010	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1562(a) § 63.1562(b)(4) § 63.1562(c) § 63.1563(a) § 63.1563(a)(2) § 63.1569(a)(1) § 63.1569(a)(1)(i) § 63.1569(a)(3) § 63.1569(b)(2) § 63.1569(b)(3) § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU.	§ 63.1569(b)(1) § 63.1569(b)(4) § 63.1571(a)(1) § 63.1571(b)(1) § 63.1571(b)(2) § 63.1571(b)(4)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(d) § 63.1576(e) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1563(e) § 63.1570(f) § 63.1574(a) § 63.1574(a)(2) § 63.1574(a)(3) § 63.1574(a)(3)(ii) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
PRO-WWTP	PRO	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.354(a)(1) § 61.355(d)	§ 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) [G]§ 61.356(i)	§ 61.357(d)(7) § 61.357(d)(7)(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO-WWTP	PRO	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.138(a)(7)(ii)(A) § 63.11 [G]§ 63.132(f) § 63.139(b) § 63.139(c)(3) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) [G]§ 63.145(j) § 63.172(a) [G]§ 63.172(h) § 63.172(i)	For combinations of treatment processes, each treatment process shall meet §63.133 through §63.137 of this subpart except as provided in paragraph §63.133(a)(3).	§ 63.138(a)(7)(ii)(C) § 63.139(d)(3) § 63.139(e) § 63.143(e) § 63.143(e)(1) § 63.143(g) [G]§ 63.145(a)(7)(ii) [G]§ 63.145(j) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.138(a)(7)(ii)(B) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) [G]§ 63.152(a) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.138(a)(7)(ii)(B) § 63.146(b)(2) § 63.146(b)(4) § 63.146(b)(6) § 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(e) § 63.146(e)(1) [G]§ 63.152(a) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-036	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
S-310	EU	63FF-01	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-310	EU	63CC-2SEAL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
S-310	EU	63CC-LOVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-310	EU	63CC-MSS	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
S-310	EU	63CC-VAPOR	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.642(d)(1) § 63.646(b)(1) § 63.646(b)(2) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.640(l)(3) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-311	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
S-315	EU	63CC-2SEAL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.646(b)(1) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
S-315	EU	63CC-LOVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-315	EU	63CC-MSS	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.646(b)(1) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
S-315	EU	63CC-VAPOR	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.646(b)(1) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-315	EU	63G-Y2SEAL	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
S-315	EU	63G-YMSS	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-354	EU	60Kb-HIVP	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
S-354	EU	63CC-HIVP	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-680-21	EU	61FF-MSS	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
V-005	EP	63CC-FL003	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(c)(1) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.644(c)(1) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
V-005	EP	63CC-FL004	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(c)(1) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.644(c)(1) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-006	EU	63UUU-003	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(2) § 63.1562(e) § 63.1563(b) § 63.1566(a)(1) § 63.1566(a)(1)(i) § 63.1566(a)(2) § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b) § 63.1566(b)(1) § 63.1566(b)(3) § 63.1566(b)(6) § 63.1566(b)(6)(i) § 63.1566(b)(7) § 63.1566(b)(8) § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) [G]§ 63.1571(c) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	[G]§ 63.1571(c) [G]§ 63.1572(c)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(4) § 63.1576(b)(5) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1570(f) § 63.1571(a)(1) § 63.1574(a) § 63.1574(a)(3) § 63.1574(a)(3)(i) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-006	EU	63UUU-004	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(2) § 63.1562(e) § 63.1563(b) § 63.1567(a)(1) § 63.1567(a)(1)(ii) § 63.1567(a)(2) § 63.1567(a)(3) § 63.1567(b)(1) § 63.1567(b)(3) § 63.1567(b)(4) § 63.1567(b)(4)(i) § 63.1567(b)(4)(iii) § 63.1567(b)(5) § 63.1567(c)(1) § 63.1567(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	§ 63.1567(b)(2) § 63.1571(b)(1) § 63.1571(b)(2) § 63.1571(b)(4) § 63.1571(d) § 63.1571(d)(4) § 63.1571(e)(1) § 63.1571(e)(2) [G]§ 63.1572(c)	§ 63.1574(d) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(4) § 63.1576(b)(5) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1567(b)(6) § 63.1567(b)(7) § 63.1570(f) § 63.1574(a) § 63.1574(a)(2) § 63.1574(a)(3) § 63.1574(a)(3)(ii) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-007	EU	63UUU-005	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(2) § 63.1562(e) § 63.1563(b) § 63.1566(a)(1) § 63.1566(a)(1)(i) § 63.1566(a)(2) § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(1) § 63.1566(b)(3) § 63.1566(b)(5) § 63.1566(b)(5)(i) § 63.1566(b)(6) § 63.1566(b)(7) § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) [G]§ 63.1571(c) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	[G]§ 63.1572(c)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(5) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1570(f) § 63.1571(a)(1) § 63.1574(a) § 63.1574(a)(3) § 63.1574(a)(3)(i) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-007	EU	63UUU-006	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(2) § 63.1562(e) § 63.1563(b) § 63.1567(a)(1) § 63.1567(a)(1)(ii) § 63.1567(a)(2) § 63.1567(a)(3) § 63.1567(b)(1) § 63.1567(b)(3) § 63.1567(b)(4) § 63.1567(b)(4)(i) § 63.1567(b)(5) § 63.1567(c)(1) § 63.1567(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	§ 63.1567(b)(2) § 63.1571(b)(1) § 63.1571(b)(2) § 63.1571(b)(4) § 63.1571(d) § 63.1571(d)(4) § 63.1571(e)(1) § 63.1571(e)(2) [G]§ 63.1572(c) [G]§ 63.1573(b) § 63.1573(d)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(4) § 63.1576(b)(5) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1567(b)(6) § 63.1567(b)(7) § 63.1570(f) § 63.1574(a) § 63.1574(a)(2) § 63.1574(a)(3) § 63.1574(a)(3)(ii) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
V-008	PRO	60J	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i) § 60.104 § 60.104(a) § 60.104(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge from any Claus sulfur recovery plant with an oxidation control system or a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume (dry basis) of sulfur dioxide at zero percent excess air into the atmosphere.	§ 60.105(a) [G]§ 60.105(a)(5) § 60.105(e) § 60.105(e)(4)(i) § 60.106(a) [G]§ 60.106(f)	§ 60.105(a) [G]§ 60.105(a)(5)	§ 60.105(e) § 60.105(e)(4)(i) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-008	EU	63UUU-007	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(3) § 63.1562(e) § 63.1563(b) § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(3) § 63.1568(b)(1) § 63.1568(b)(5) § 63.1568(b)(6) § 63.1568(c)(1) § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	§ 63.1571(a)(1) § 63.1571(b)(1) § 63.1571(b)(2) § 63.1571(b)(3) § 63.1571(b)(4) [G]§ 63.1572(a) [G]§ 63.1572(c) [G]§ 63.1572(d)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(3) § 63.1576(b)(5) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(7) § 63.1570(f) § 63.1574(a)(2) § 63.1574(a)(3) § 63.1574(a)(3)(ii) § 63.1574(d) § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
V-009	PRO	60J	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i) § 60.104 § 60.104(a) § 60.104(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge from any Claus sulfur recovery plant with an oxidation control system or a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume (dry basis) of sulfur dioxide at zero percent excess air into the atmosphere.	§ 60.105(a) [G]§ 60.105(a)(5) § 60.105(e) § 60.105(e)(4)(i) § 60.106(a) [G]§ 60.106(f)	§ 60.105(a) [G]§ 60.105(a)(5)	§ 60.105(e) § 60.105(e)(4)(i) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-009	EU	63UUU-008	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1563 § 63.1562(a) § 63.1562(b)(3) § 63.1562(c) § 63.1563(a) § 63.1563(a)(2) § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(3) § 63.1568(b)(1) § 63.1568(b)(5) § 63.1568(b)(6) § 63.1568(c)(1) § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(e) § 63.1570(g) § 63.1574(f) § 63.1577	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	§ 63.1571(a)(1) § 63.1571(b)(1) § 63.1571(b)(2) § 63.1571(b)(3) § 63.1571(b)(4) [G]§ 63.1572(a) [G]§ 63.1572(c) [G]§ 63.1572(d)	§ 63.1576(a) § 63.1576(a)(1) § 63.1576(a)(2) § 63.1576(a)(3) § 63.1576(b)(3) § 63.1576(b)(4) § 63.1576(b)(5) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(7) § 63.1570(f) § 63.1574(a) § 63.1574(a)(1) § 63.1574(a)(2) § 63.1574(a)(3) § 63.1574(a)(3)(ii) § 63.1574(c) § 63.1574(d) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
V-010	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-010	EU	60J	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(b)(1) § 60.104(c) § 60.104(d)	For each affected fluid catalytic cracking unit catalyst regenerator with an add-on control device, reduce sulfur dioxide emissions to the atmosphere by 90 percent or maintain sulfur dioxide emissions to the atmosphere less than or equal to 50 ppm by volume, whichever is less stringent.	§ 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(9) § 60.106(a) § 60.106(g) [G]§ 60.106(h) [G]§ 60.106(k) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(9) [G]§ 60.107(b)(1) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) § 60.107(c)(2) [G]§ 60.107(c)(3) [G]§ 60.107(c)(4) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)
V-010	EU	60J	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)
V-010	EU	60J	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.105(c) § 60.106(a) [G]§ 60.106(b)	§ 60.105(c)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-010	EU	60J	PM (OPACITY)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a)(1) § 60.106(a) [G]§ 60.106(b) *See Alternative Requirements	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(g)
V-010	EU	63UUU-01	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table10.1 § 63.1565(c)(1)-Table13.1 § 63.1565(c)(1)-Table14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2) *See Alternative Requirements	§ 63.1565(b)(1)-Table10.1 § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-010	EU	63UUU-01	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1573(f)(1) § 63.1573(f)(2)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in the catalyst regenerator and, if applicable, the incremental rate of PM emissions must not exceed 43.0 g/GJ (0.10 lb/MMBtu) of heat input attributable to auxiliary or supplemental fired liquid or solid fossil fuel.	§ 63.1564(c)(1)-Table6.1.a.i [G]§ 63.1572(d) § 63.1573(a)(2) *See Alternative Requirements	§ 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1573(f)(3) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
V-010	EU	63UUU-01	PM (OPACITY)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1573(f)(1) § 63.1573(f)(2)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(c)(1)-Table6.1.a.i [G]§ 63.1572(d) *See Alternative Requirements	§ 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1573(f)(3) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1574(f) § 63.1574(f)(1) [G]§ 63.1574(f)(2) § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
VCU-1	EU	60J	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) [G]§ 60.105(a)(4)(iv) [G]§ 60.105(b) § 60.105(e) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) [G]§ 60.105(a)(4)(iv) § 60.107(e)	[G]§ 60.105(b) § 60.105(e) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
VENT-BTX	EP	63G-FL006	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) [G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
VENT-BTX	EP	63G-FL501	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) [G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary123

Periodic Monitoring Summary.....126

CAM Summary

Unit/Group/Process Information	
ID No.: V-010	
Control Device ID No.: V-010	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Liquid-to-Gas Ratio	
Minimum Frequency: Hourly	
Averaging Period: 3 hour average	
Deviation Limit: Liquid-to-gas ratio less than 0.00138 shall be considered a deviation.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <p>Liquid Flow Rate (AFM/Quench Pumps)</p> <ul style="list-style-type: none"> ± 1% of span, or ± 1 % design liquid supply pressure <p>Gas Flow Rate (Volumetric Flow Rate, Air to Regenerator)</p> <ul style="list-style-type: none"> ± 2% of span, or ± 5% design flow rate <p>Gas Flow Rate (Temp of Stack Exhaust Gas prior Scrubber)</p> <ul style="list-style-type: none"> ± 5% of reading, or ± 10 degrees C 	

CAM Summary

Unit/Group/Process Information	
ID No.: V-010	
Control Device ID No.: V-010	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Water Pressure to Nozzles in Quench/Spray Tower	
Minimum Frequency: Hourly	
Averaging Period: 3 hour average	
Deviation Limit: Water pressure to nozzles in quench/spray tower less than 48.92 psig shall be considered a deviation.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 1% of span; or ± 1% of design liquid supply pressure. 	

CAM Summary

Unit/Group/Process Information	
ID No.: V-010	
Control Device ID No.: V-010	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Agglo Filtering Modules Pressure Drop	
Minimum Frequency: Hourly	
Averaging Period: 3 hour average	
Deviation Limit: Pressure drop across Agglo Filtering Modules (AFM) less than 9.43 H ₂ O shall be considered a deviation.	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span. 	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-111	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible Emissions	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-LABSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible Emissions	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-VISBLE	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible Emissions	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: H-030	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions exceeding 15% opacity will be considered a deviation.	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: H-036	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions exceeding 15% opacity will be considered a deviation.	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: H-047	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible Emissions	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PRO-SRU1	
Control Device ID No.: CV-008	Control Device Type: Sulfur Recovery Unit with Incinerator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2
Pollutant: SO ₂	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO ₂ Mass Emissions in Pounds per Hour	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Maximum SO ₂ Emissions= 202.9 lb/hr	
<p>Periodic Monitoring Text: A continuous emission monitoring system (CEMS) that measures and records the mass emissions rate of sulfur dioxide expressed in pounds per hour in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum SO_x mass emission rate is the applicable or corresponding emission limit. Any monitoring data above the limit from the underlying applicable requirement shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PRO-SRU2	
Control Device ID No.: CV-009	Control Device Type: Sulfur Recovery Unit with Incinerator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2
Pollutant: SO ₂	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO ₂ Mass Emissions in Pounds per Hour	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Maximum SO ₂ Emissions = 202.9 lb/hr	
<p>Periodic Monitoring Text: A continuous emission monitoring system (CEMS) that measures and records the mass emissions rate of sulfur dioxide expressed in pounds per hour in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum SO_x mass emission rate is the applicable or corresponding emission limit. Any monitoring data above the limit from the underlying applicable requirement shall be considered and reported as a deviation.</p>	

Permit Shield

Permit Shield135

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
440-P-103-A	N/A	40 CFR Part 60, Subpart IIII	Compression ignition stationary reciprocating internal combustion engine (SRICE) constructed prior to and/or modified/reconstructed before July 11, 2005.
440-P-103-A	N/A	40 CFR Part 60, Subpart JJJJ	Unit is not a spark ignition engine.
440-P-103-A	N/A	40 CFR Part 63, Subpart ZZZZ	An existing emergency stationary RICE with a site rating of >500brake HP located at a major source of HAP emissions does not have to meet the requirements of MACT subparts ZZZZ or A.
440-P-103-B	N/A	40 CFR Part 60, Subpart IIII	Compression ignition stationary reciprocating internal combustion engine (SRICE) constructed prior to and/or modified/reconstructed before July 11, 2005.
440-P-103-B	N/A	40 CFR Part 60, Subpart JJJJ	Unit is not a spark ignition engine.
440-P-103-B	N/A	40 CFR Part 63, Subpart ZZZZ	An existing emergency stationary RICE with a site rating of >500brake HP located at a major source of HAP emissions does not have to meet the requirements of MACT subparts ZZZZ or A.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
B-007	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fuel and/or liquid fuel.
B-007	N/A	40 CFR Part 60, Subpart D	Fossil fuel fired and less than or equal to 250 MMBtu/hr
B-007	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat input capacity greater than 29MW (100 MMBtu/hr)
B-010	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit does not burn solid fossil fuel and/or liquid fuel.
B-010	N/A	40 CFR Part 60, Subpart D	Steam generating units, which are greater than 73 MW (250 million Btu/hour) and constructed after June 19, 1986, are not subject to the requirements of 40 CFR Part 60, Subpart D.
B-010	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat input capacity is greater than 29 MW (100 MMBtu/hr).
GRP-BLR1	B-004 6F1A, B-004 6F1B, B-005, B-006	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fuel
GRP-BLR1	B-004 6F1A, B-004 6F1B, B-005, B-006	40 CFR Part 60, Subpart D	Fossil fuel fired and less than or equal to 250 MMBtu/hr.
GRP-BLR1	B-004 6F1A, B-004 6F1B, B-005, B-006	40 CFR Part 60, Subpart Db	Commenced construction/reconstruction/modification prior to June 19, 1984.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-BLR1	B-004 6F1A, B-004 6F1B, B-005, B-006	40 CFR Part 60, Subpart Dc	Constructed before June 9, 1989 and not modified or reconstructed since.
GRP-COOLTWRS	F-0670, F-2810, F-3670	40 CFR Part 63, Subpart Q	Cooling towers have not been operated with chromium-based water treatment chemicals since September 8, 1994.
GRP-KNOCKENG	KNOCK-1, KNOCK-2, KNOCK-3, KNOCK-4	40 CFR Part 60, Subpart JJJJ	Owner/operator of stationary SI ICE that commenced construction prior to June 12, 2006.
GRP-TKEFR	S-033, S-037, S-038, S-040, S-041, S-043, S-333, S-334, S-335, S-337, S-338	40 CFR Part 60, Subpart K	MACT CC Group 1 storage vessels are not subject to NSPS K or NSPS Ka.
GRP-TKEFR	S-033, S-037, S-038, S-040, S-041, S-043, S-333, S-334, S-335, S-337, S-338	40 CFR Part 60, Subpart Ka	MACT CC Group 1 storage vessels are not subject to NSPS K or NSPS Ka.
GRP-TKEFR	S-033, S-037, S-038, S-040, S-041, S-043, S-333, S-334, S-335, S-337, S-338	40 CFR Part 60, Subpart Kb	Storage vessels constructed before July 23, 1984 and not reconstructed or modified after July 23, 1984 are exempt from NSPS Kb.
GRP-TKEFR	S-033, S-037, S-038, S-040, S-041, S-043, S-333, S-334, S-335, S-337, S-338	40 CFR Part 63, Subpart EEEE	Storage vessels subject to provisions of MACT CC are classified as excluded affected sources under MACT EEEE.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFF	680-SB-15, 680-T-10, 680-T-13, 680-T-15, 680-T-16, D-1520, D-6801, DAF-100, M-6801, T-680-2, T-680-3, T-680-5, V-121	40 CFR Part 60, Subpart K	Vessels are not storage tanks.
GRP-TKFF	680-SB-15, 680-T-10, 680-T-13, 680-T-15, 680-T-16, D-1520, D-6801, DAF-100, M-6801, T-680-2, T-680-3, T-680-5, V-121	40 CFR Part 60, Subpart Ka	Vessels are not storage tanks.
GRP-TKFF	680-SB-15, 680-T-10, 680-T-13, 680-T-15, 680-T-16, D-1520, D-6801, DAF-100, M-6801, T-680-2, T-680-3, T-680-5, V-121	40 CFR Part 60, Subpart Kb	Not subject to NSPS Kb because vessel is not a storage tank.
GRP-TKFFKB	S-680-6, S-680-7, S-680-8, S-680-9	40 CFR Part 60, Subpart K	Vessels constructed after May 19, 1978.
GRP-TKFFKB	S-680-6, S-680-7, S-680-8, S-680-9	40 CFR Part 60, Subpart Ka	Vessels constructed after July 23, 1984.
GRP-TKFFKB	S-680-6, S-680-7, S-680-8, S-680-9	40 CFR Part 60, Subpart Kb	Tank meets the definition of a “Process Tank” and Process Tanks are excluded from the definition of a “Storage Vessel”.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFXR1	S-007, S-008, S-031, S-032, S-034, S-035, S-042, S-044, S-108, S-127, S-128, S-129, S-130, S-201, S-206, S-207, S-208, S-209, S-210, S-211, S-212, S-213, S-214, S-215, S-216, S-217, S-218, S-219, S-220, S-221, S-222, S-223, S-224, S-225, S-401, S-402	40 CFR Part 60, Subpart K	MACT CC Group 2 storage vessels that are not subject to NSPS K or NSPS Ka control requirements are exempt from NSPS K and NSPS Ka.
GRP-TKFXR1	S-007, S-008, S-031, S-032, S-034, S-035, S-042, S-044, S-108, S-127, S-128, S-129, S-130, S-201, S-206, S-207, S-208, S-209, S-210, S-211, S-212, S-213, S-214, S-215, S-216, S-217, S-218, S-219, S-220, S-221, S-222, S-223, S-224, S-225, S-401, S-402	40 CFR Part 60, Subpart Ka	MACT CC Group 2 storage vessels that are not subject to NSPS K or NSPS Ka control requirements are exempt from NSPS K and NSPS Ka.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFXR1	S-007, S-008, S-031, S-032, S-034, S-035, S-042, S-044, S-108, S-127, S-128, S-129, S-130, S-201, S-206, S-207, S-208, S-209, S-210, S-211, S-212, S-213, S-214, S-215, S-216, S-217, S-218, S-219, S-220, S-221, S-222, S-223, S-224, S-225, S-401, S-402	40 CFR Part 60, Subpart Kb	Storage vessels constructed before July 23, 1984 and not reconstructed or modified after July, 23, 1984 are exempt from NSPS Kb.
GRP-TKFXR2	S-114, S-115, S-116, S-200	40 CFR Part 60, Subpart K	Vessel constructed after May 19, 1978.
GRP-TKFXR2	S-114, S-115, S-116, S-200	40 CFR Part 60, Subpart Ka	Vessel constructed after July 23, 1984.
GRP-TKFXR2	S-114, S-115, S-116, S-200	40 CFR Part 60, Subpart Kb	Tank with capacity greater than/equal to 151 m3 (19,815 gal) with true vapor pressure less than 3.5 kPa (0.51) psia.
GRP-TKHON	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	40 CFR Part 60, Subpart Kb	After the compliance dates specified in §63.100 of MACT F, a Group 1 or Group 2 storage vessel that is subject to the provisions of NSPS Kb and MACT G is required to comply only with the provisions of MACT G.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKHON	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	40 CFR Part 61, Subpart Y	After the compliance dates specified in §63.100 of subpart F of this part, a Group 1 storage vessel that is also subject to the provisions of 40 CFR part 61 subpart Y is required to comply only with the provisions of this subpart.
GRP-TKHON	S-100, S-101, S-102, S-119, S-120, S-301, S-302, S-305, S-306, S-308, S-309, S-317, S-336	40 CFR Part 63, Subpart EEEE	Storage vessels subject to provisions of HON G are classified as excluded affected sources under MACT EEEE.
GRP-TKIFR1	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	40 CFR Part 60, Subpart K	MACT CC Group 1 storage vessels are not subject to NSPS K or NSPS Ka.
GRP-TKIFR1	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	40 CFR Part 60, Subpart Ka	MACT CC Group 1 storage vessels are not subject to NSPS K or NSPS Ka.
GRP-TKIFR1	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	40 CFR Part 60, Subpart Kb	Storage vessels constructed before July 23, 1984 and not reconstructed or modified after July, 23, 1984 are exempt from NSPS Kb.
GRP-TKIFR1	S-300, S-303, S-304, S-312, S-313, S-314, S-316, S-331, S-332	40 CFR Part 63, Subpart EEEE	Storage vessels subject to provisions of MACT CC are classified as excluded affected sources under MACT EEEE.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKIFR2	S-339, S-340	40 CFR Part 60, Subpart K	Vessel constructed after May 19, 1978.
GRP-TKIFR2	S-339, S-340	40 CFR Part 60, Subpart Ka	Vessel constructed after July 23, 1984.
L-001	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Exempt from loading/unloading requirements because it is not in one of the listed counties and only loads/unloads non-gasoline VOCs.
L-004	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Exempt from loading/unloading requirements because it is not in one of the listed counties and only loads/unloads non-gasoline VOCs.
L-005	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Exempt from loading/unloading requirements because it is not in one of the listed counties and only loads/unloads non-gasoline VOCs.
L-005	N/A	40 CFR Part 63, Subpart EEEE	Transfer racks subject to provisions of HON G are classified as excluded sources under MACT EEEE.
L-006	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Exempt from loading/unloading requirements because it is not in one of the listed counties and only loads/unloads non-gasoline VOCs.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
P-600	N/A	40 CFR Part 60, Subpart IIII	Compression ignition stationary reciprocating internal combustion engine (SRICE) constructed prior to and/or modified/reconstructed before July 11, 2005.
P-600	N/A	40 CFR Part 60, Subpart JJJJ	Unit is not a spark ignition engine.
P-601	N/A	40 CFR Part 60, Subpart IIII	Compression ignition stationary reciprocating internal combustion engine (SRICE) constructed prior to and/or modified/reconstructed before July 11, 2005.
P-601	N/A	40 CFR Part 60, Subpart JJJJ	Unit is not a spark ignition engine.
P-95	N/A	40 CFR Part 60, Subpart IIII	Unit is not a compression engine.
S-036	N/A	40 CFR Part 60, Subpart K	Vessel does not store petroleum liquids.
S-036	N/A	40 CFR Part 60, Subpart Ka	Not subject to NSPS Ka because vessel does not store petroleum liquids.
S-036	N/A	40 CFR Part 60, Subpart Kb	Storage vessels constructed before July 23, 1984 and not reconstructed or modified after July 23, 1984 are exempt from NSPS Kb.
S-310	N/A	40 CFR Part 60, Subpart K	MACT CC Group 1 storage vessels are not subject to NSPS K.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
S-310	N/A	40 CFR Part 60, Subpart Ka	MACT CC Group 1 storage vessels are not subject to NSPS Ka.
S-310	N/A	40 CFR Part 60, Subpart Kb	Storage vessels constructed before July 23, 1984 and not reconstructed or modified after July, 23, 1984 are exempt from NSPS Kb.
S-318	N/A	40 CFR Part 60, Subpart Kb	Storage vessels constructed before July 23, 1984 and not reconstructed or modified after July 23, 1984 are exempt from NSPS Kb.
S-318	N/A	40 CFR Part 63, Subpart CC	Tank does not store any of the HAPs listed in Table 1 of this subpart.
V-003	N/A	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a Miscellaneous Process Vent.
V-006	N/A	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a Miscellaneous Process Vent.
V-007	N/A	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a Miscellaneous Process Vent.

New Source Review Authorization References

New Source Review Authorization References 146

New Source Review Authorization References by Emission Unit.....147

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1017M1	Issuance Date: 09/16/2015
PSD Permit No.: PSDTX331M1	Issuance Date: 09/16/2015
PSD Permit No.: PSDTX804	Issuance Date: 09/16/2015
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 50607	Issuance Date: 09/16/2015
Authorization No.: 83511	Issuance Date: 01/09/2008
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 03/14/1997
Number: 106.533	Version No./Date: 06/30/2004
Number: 7	Version No./Date: 05/04/1994
Number: 7	Version No./Date: 04/05/1995
Number: 8	Version No./Date: 05/04/1994
Number: 8	Version No./Date: 04/05/1995
Number: 51	Version No./Date: 11/25/1985
Number: 51	Version No./Date: 11/05/1986
Number: 58	Version No./Date: 04/04/1975

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
440-P-103-A	DELUGE N ENGINE	106.511/09/04/2000
440-P-103-B	DELUGE S ENGINE	106.511/09/04/2000
680-SB-15	DISSOLVED AIR/GAS FLOTATION UNIT NO. 3	50607, PSDTX1017M1
680-T-10	PH CONTROL TANK	50607, PSDTX1017M1
680-T-13	RECOVERED OIL TANK	50607, PSDTX1017M1
680-T-15	PRE-DAF MIXER #3	50607, PSDTX1017M1
680-T-16	DAF NO. 3 EFFLUENT TANK	50607, PSDTX1017M1
APISEP	API SEPARATOR	50607, PSDTX1017M1
B-004 6F1A	EAST PLANT STEAM BOILER A	50607, PSDTX1017M1
B-004 6F1A	EAST PLANT STEAM BOILER A (VENT)	50607, PSDTX1017M1
B-004 6F1B	EAST PLANT STEAM BOILER B	50607, PSDTX1017M1
B-004 6F1B	EAST PLANT STEAM BOILER B (VENT)	50607, PSDTX1017M1
B-005	BOILER B-005	50607, PSDTX1017M1
B-005	BOILER B-005 (VENT)	50607, PSDTX1017M1
B-006	EAST PLANT BOILER	50607, PSDTX1017M1
B-006	EAST PLANT BOILER (VENT)	50607, PSDTX1017M1
B-007	BTX BOILER	50607, PSDTX1017M1
B-007	BTX BOILER (VENT)	50607, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
B-010	SCR BOILER STACK 54-F2	83511
D-1520	1ST STAGE DESALTER	50607, PSDTX1017M1
D-6801	PRE-DAF MIXER #2	50607, PSDTX1017M1
DAF-100	(IDLED) DISSOLVED AIR/GAS FLOTATION UNIT NO. 1	50607, PSDTX1017M1
ENG-ADMIN	ADMIN BLDG EMERGENCY GENERATOR	106.511/09/04/2000
ENG-INSTAIR	INSTRUMENT AIR ENGINE	106.511/09/04/2000
ENG-SEC	SECURITY BLDG EMERGENCY ENGINE	106.511/09/04/2000
F-0670	NO. 1 WEST PLANT COOLING TOWER	50607, PSDTX1017M1
F-2810	EAST PLANT COOLING TOWER	50607, PSDTX1017M1
F-3670	NO. 2 WEST PLANT COOLING TOWER	50607, PSDTX1017M1
FL-003	EAST PLANT FLARE	50607, PSDTX1017M1
FL-004	HCU FLARE	50607, PSDTX1017M1
FL-005	API SEPARATOR FLARE	50607, PSDTX1017M1
FL-006	EMERGENCY FLARE FOR DMO UNIT	50607, PSDTX1017M1
FL-501	WEST PLANT FLARE	50607, PSDTX1017M1
FUG-CC-EXT	MACT CC FUGITIVES (EXISTING)	50607, PSDTX1017M1, PSDTX804
FUG-CC-NEW	MACT CC FUGITIVES (NEW)	50607, PSDTX1017M1, PSDTX804
FUG-GGG	NSPS GGG FUGITIVES	50607, PSDTX1017M1, PSDTX804

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FUG-HON	MACT H FUGITIVES	50607, PSDTX1017M1
H-004	LUBR. HDS CHARGE HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-010	NO. 1 HDU REACTOR CHARGE HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-012	REFORMER CHARGE HEATERS	50607, PSDTX1017M1
H-013	NO. 1 STABILIZER REBOILER HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-014	NAPHTHA SPLITTER REBOILER	50607, PSDTX1017M1
H-016	VACUUM UNIT CHARGE HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-018	HCU FRACTIONATION HEATER	50607, PSDTX1017M1
H-019	HCU FRACTIONATION HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-020	ISOSTRIPPER REBOILER HTR	50607, PSDTX1017M1
H-021	DAO PHASE HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-022	ASPHALT HEATER	50607, PSDTX1017M1
H-023	TRACING OIL HEATER	50607, PSDTX1017M1
H-023	TRACING OIL HEATER (VENT)	50607, PSDTX1017M1
H-026	GLYCOL CONTACTOR HEATER	50607, PSDTX1017M1
H-026	GLYCOL CONTACTOR HEATER (VENT)	50607, PSDTX1017M1
H-028	CRUDE CHARGE HTR. 1	50607, PSDTX1017M1
H-030	NO. 2 REFORMER CHARGE HEATERS	50607, 106.261/11/01/2003, PSDTX1017M1,

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
		PSDTX804
H-030	NO. 2 REFORMER CHARGE HEATERS (VENT)	50607, 106.261/11/01/2003, PSDTX1017M1, PSDTX804
H-031	NO. 1 HDU STRIPPER REBOILER HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-032	NO. 2 REFORMER CHARGE HEATER	50607, 106.261/11/01/2003, PSDTX1017M1, PSDTX804
H-033	#2 REFORMER STAB. REBOILER	50607, 106.261/11/01/2003, PSDTX1017M1, PSDTX804
H-034	HCU RECYCLE HEATER	50607, PSDTX1017M1
H-035	HCU DEBUTANIZER REBOILER HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-036	CRUDE CHG. HTR. 1	50607, PSDTX1017M1
H-036	CRUDE CHG. HTR. 1 (VENT)	50607, PSDTX1017M1
H-037	HDU CHARGE HTR. 2	50607, PSDTX1017M1
H-038	HDU REBOILER HTR. 2	50607, PSDTX1017M1
H-039	NO. 1 SRU HOT OIL HEATER	50607, PSDTX1017M1
H-039	NO. 1 SRU HOT OIL HEATER (VENT)	50607, PSDTX1017M1
H-040	STM-METHANE REFORM HTR	50607, 7/05/04/1994, PSDTX1017M1
H-041	F-2201 H2 RECYCLE HTR	50607, 007/04/05/1995, 106.261/11/01/2003, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
H-043	REFORMATE SPLITTER REBOILER	50607, 106.261/11/01/2003, PSDTX1017M1
H-044	REFORMATE SPLITTER REBOILER	50607, PSDTX1017M1
H-045	DHT CHARGE HEATER	50607, PSDTX1017M1, PSDTX331M1
H-046	FRACTIONATOR FEED HEATER	50607, PSDTX1017M1, PSDTX331M1
H-047	(PLANNED) NO. 2 SRU HOT OIL HEATER	50607, 106.261/11/01/2003, PSDTX1017M1
H-047	(PLANNED) NO. 2 SRU HOT OIL HEATER (VENT)	50607, 106.261/11/01/2003, PSDTX1017M1
H-1001	LUBR. OIL CRUDE ATMOSPHERIC HEATER	50607, PSDTX1017M1
H-1002	LUBR. OIL CRUDE HEATER (VACUUM)	50607, PSDTX1017M1
H-1002	LUBR. OIL CRUDE HEATER (VENT)	50607, PSDTX1017M1
KNOCK-1	BLEND KNOCK ENGINE 1	106.512/03/14/1997
KNOCK-2	BLEND KNOCK ENGINE 2	106.512/03/14/1997
KNOCK-3	HUB 21 KNOCK ENGINE 1	106.512/03/14/1997
KNOCK-4	HUB 21 KNOCK ENGINE 2	106.512/03/14/1997
L-001	OIL TRUCK LOADING RACK	50607, PSDTX1017M1
L-002	GASOLINE TRUCK LOADING RACK	50607, PSDTX1017M1
L-004	TANK CAR LOADING RACK	50607, 051/11/05/1986, PSDTX1017M1
L-005	TANK CAR LOADING RACK	50607, PSDTX1017M1
L-006	PROPANE TRUCK LOADING RACK	50607, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LABSTK1	BTX 2/ HF - LAB VENT	50607, PSDTX1017M1
LABSTK2	LABSTK2 LEAD HOOD - LAB VENT	50607, PSDTX1017M1
LABSTK3	VAV 19 - LAB VENT	50607, PSDTX1017M1
LABSTK4	BTX 1 - LAB VENT	50607, PSDTX1017M1
LABSTK5	VAV 5/ LE - LAB VENT	50607, PSDTX1017M1
LABSTK6	COKE VENT - LAB VENT	50607, PSDTX1017M1
M-6801	DISSOLVED AIR/GAS FLOTATION UNIT NO. 2	50607, PSDTX1017M1
P-600	FIREPOND N ENGINE	106.511/09/04/2000
P-601	FIREPOND S ENGINE	106.511/09/04/2000
P-95	FIREWATER ENGINE	106.511/03/14/1997
PROBTXUNIT	AROMATICS UNIT	50607, PSDTX1017M1
PRO-SRU1	NO. 1 SULFUR RECOVERY UNIT	50607, PSDTX1017M1
PRO-SRU2	(PLANNED) NO. 2 SULFUR RECOVERY UNIT	50607, PSDTX1017M1
PRO-WWTP	WASTE WATER TREATMENT PLANT	50607, PSDTX1017M1
S-007	STORAGE TANK 007	50607, 058/04/04/1975, PSDTX1017M1
S-008	STORAGE TANK 008	50607, 058/04/04/1975, PSDTX1017M1
S-031	STORAGE TANK 031	50607, PSDTX1017M1
S-032	STORAGE TANK 032	50607, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
S-033	STORAGE TANK 033	50607, PSDTX1017M1
S-034	STORAGE TANK 034	50607, PSDTX1017M1
S-035	STORAGE TANK 035	50607, PSDTX1017M1
S-036	STORAGE TANK 036	50607, PSDTX1017M1
S-037	STORAGE TANK 037	50607, PSDTX1017M1
S-038	STORAGE TANK 038	50607, PSDTX1017M1
S-040	STORAGE TANK 40	50607, PSDTX1017M1
S-041	STORAGE TANK 41	50607, PSDTX1017M1
S-042	STORAGE TANK 42	50607, PSDTX1017M1
S-043	STORAGE TANK 43	50607, PSDTX1017M1
S-044	STORAGE TANK 044	50607, PSDTX1017M1
S-100	STORAGE TANK 100	50607, PSDTX1017M1
S-101	STORAGE TANK 101	50607, PSDTX1017M1
S-102	STORAGE TANK 102	50607, PSDTX1017M1
S-108	STORAGE TANK 108	50607, PSDTX1017M1
S-114	STORAGE TANK 114	50607, 058/04/04/1975, PSDTX1017M1
S-115	STORAGE TANK 115	50607, 058/04/04/1975, PSDTX1017M1
S-116	STORAGE TANK 116	50607, 058/04/04/1975, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
S-119	STORAGE TANK 119	50607, PSDTX1017M1
S-120	STORAGE TANK 120	50607, PSDTX1017M1
S-127	STORAGE TANK 127	50607, PSDTX1017M1
S-128	STORAGE TANK 128	50607, PSDTX1017M1
S-129	STORAGE TANK 129	50607, PSDTX1017M1
S-130	STORAGE TANK 130	50607, PSDTX1017M1
S-200	STORAGE TANK 200	50607, PSDTX1017M1
S-201	STORAGE TANK 201	50607, PSDTX1017M1
S-206	STORAGE TANK 206	50607, 058/04/04/1975, PSDTX1017M1
S-207	STORAGE TANK 207	50607, 058/04/04/1975, PSDTX1017M1
S-208	STORAGE TANK 208	50607, 058/04/04/1975, PSDTX1017M1
S-209	STORAGE TANK 209	50607, 058/04/04/1975, PSDTX1017M1
S-210	STORAGE TANK 210	50607, 058/04/04/1975, PSDTX1017M1
S-211	STORAGE TANK 211	50607, 058/04/04/1975, PSDTX1017M1
S-212	STORAGE TANK 212	50607, 058/04/04/1975, PSDTX1017M1
S-213	STORAGE TANK 213	50607, 058/04/04/1975, PSDTX1017M1
S-214	STORAGE TANK 214	50607, 058/04/04/1975, PSDTX1017M1
S-215	STORAGE TANK 215	50607, 058/04/04/1975, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
S-216	STORAGE TANK 216	50607, 058/04/04/1975, PSDTX1017M1
S-217	STORAGE TANK 217	50607, 058/04/04/1975, PSDTX1017M1
S-218	STORAGE TANK 218	50607, 058/04/04/1975, PSDTX1017M1
S-219	STORAGE TANK 219	50607, 058/04/04/1975, PSDTX1017M1
S-220	STORAGE TANK 220	50607, 058/04/04/1975, PSDTX1017M1
S-221	STORAGE TANK 221	50607, 058/04/04/1975, PSDTX1017M1
S-222	STORAGE TANK 222	50607, 058/04/04/1975, PSDTX1017M1
S-223	STORAGE TANK 223	50607, 058/04/04/1975, PSDTX1017M1
S-224	STORAGE TANK 224	50607, 058/04/04/1975, PSDTX1017M1
S-225	STORAGE TANK 225	50607, 058/04/04/1975, PSDTX1017M1
S-300	STORAGE TANK 300	50607, PSDTX1017M1
S-301	STORAGE TANK 301	50607, PSDTX1017M1
S-302	STORAGE TANK 302	50607, PSDTX1017M1
S-303	STORAGE TANK 303	50607, PSDTX1017M1
S-304	STORAGE TANK 304	50607, PSDTX1017M1
S-305	STORAGE TANK 305	50607, PSDTX1017M1
S-306	STORAGE TANK 306	50607, PSDTX1017M1
S-308	STORAGE TANK 308	50607, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
S-309	STORAGE TANK 309	50607, PSDTX1017M1
S-310	STORAGE TANK 310	50607, PSDTX1017M1
S-311	STORAGE TANK 311	50607, PSDTX1017M1
S-312	STORAGE TANK 312	50607, PSDTX1017M1
S-313	STORAGE TANK 313	50607, PSDTX1017M1
S-314	STORAGE TANK 314	50607, PSDTX1017M1
S-315	STORAGE TANK 315	50607, PSDTX1017M1
S-316	STORAGE TANK 316	50607, PSDTX1017M1
S-317	STORAGE TANK 317	50607, PSDTX1017M1
S-318	STORAGE TANK 318	50607, PSDTX1017M1
S-331	STORAGE TANK 331	50607, PSDTX1017M1
S-332	STORAGE TANK 332	50607, PSDTX1017M1
S-333	STORAGE TANK 333	50607, PSDTX1017M1
S-334	STORAGE TANK 334	50607, PSDTX1017M1
S-335	STORAGE TANK 335	50607, PSDTX1017M1
S-336	STORAGE TANK 336	50607, PSDTX1017M1
S-337	STORAGE TANK 337	50607, PSDTX1017M1
S-338	STORAGE TANK 338	50607, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
S-339	STORAGE TANK 339	50607, 106.261/11/01/2003, 106.478/09/04/2000, PSDTX1017M1
S-340	STORAGE TANK 340	50607, PSDTX1017M1
S-354	S-354 STORAGE TANK	50607, PSDTX1017M1
S-401	STORAGE TANK 401	50607, PSDTX1017M1
S-402	STORAGE TANK 402	50607, PSDTX1017M1
S-680-21	S-21 STORAGE TANK	50607, PSDTX1017M1
S-680-6	OILY WASTEWATER TANK 680-6	50607, PSDTX1017M1
S-680-7	OILY WASTEWATER TANK 680-7	50607, PSDTX1017M1
S-680-8	NON-OILY WASTEWATER TANK 680-8	50607, PSDTX1017M1
S-680-9	WASTEWATER TANK 680-9	50607, PSDTX1017M1
T-680-2	DAF NO. 2 EFFLUENT TANK	50607, PSDTX1017M1
T-680-3	DAF NO. 2 FLOAT SUCTION TANK	50607, PSDTX1017M1
T-680-5	API SOLIDS/DAF FLOAT TANK	50607, PSDTX1017M1
V-003	ATS SEC. ABSORBER VENT	50607, PSDTX1017M1, PSDTX804
V-005	DISULFIDE SEPARATOR VENT	50607, PSDTX1017M1, PSDTX331M1, PSDTX804
V-006	NO. 1 REFORMER REGEN. VENT	50607, PSDTX1017M1

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
V-007	NO. 2 REFORMER REGEN. VENT	50607, PSDTX1017M1, PSDTX804
V-008	NO. 1 SRU VENT	50607, PSDTX1017M1
V-009	(PLANNED) NO.2 SRU VENT	50607, PSDTX1017M1
V-010	FCCU SCRUBBER VENT	50607, PSDTX1017M1, PSDTX331M1
V-121	(IDLED) DAF NO. 1 EFFLUENT SURGE TANK	50607, PSDTX1017M1
VCU-1	TRUCK RACK VAPOR COMBUSTION UNIT	50607, PSDTX1017M1
VENT-BTX	COMBINED BTX VENT TO FL-006	50607, PSDTX1017M1

Consent Decree Requirements

Consent Decree Requirement 160

Consent Decree Requirements

		Regulated Entity No.: RN100542802		Permit No.: O1450	
Company Name: Diamond Shamrock Refining Company, L.P., a Valero Company			Area Name: Three Rivers Refinery		
1. Emission Limitation or Standard					
Unit/Group/Process ID. No(s).	SOP Index No.	Pollutant	Emission Limitation or Standard		
			Citation	Text Description	
FL-003, FL-004, FL-005, FL-501, FL-006	N/A	SO ₂	CD-XII-C-231	Achieve NSPS Subpart J applicability for SO ₂ for each flaring device at the refinery.	
2. Monitoring, Testing, Reporting, and Recordkeeping Requirements					
Monitoring and Testing Requirements				Reporting and Recordkeeping Requirements	
Citation	Text Description				
CD-XII-C-235(a)-(d).	<p>For each flaring device, Valero will comply with NSPS Subpart J by any one or combination of the methods specified in the Consent Decree, including, but not limited to, flare gas recovery systems, monitoring systems, and the use of the flaring devices in only upset situations.</p> <p>*Use of a flare gas recovery device obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required b 40 CFR §§60.105(a)(4) and 60.7.</p> <p>Flare gas recovery systems were installed on the four main refinery flares (FL-003, FL-004, FL-006, and FL-501) December 2011. FL-005 elected to comply with §60.105(a)(4) and an H₂S monitoring system was installed at the end of December 2007.</p>			Comply with NSPS J reporting/recordkeeping requirements for flares that elect to monitor H ₂ S per §60.105(a)(4). There are no recordkeeping or reporting requirements for flares that operate a flare gas recovery system or as emergency-only flares.	
3. Consent Decree Requirement Description					
For each flaring device, Valero will comply with NSPS Subpart J by any one or combination of the methods specified in the Consent Decree.					
4. List of Activities/Milestones to Implement the Consent Decree Requirement					
1	Pursuant to CD-XII-237, a compliance plan was submitted to EPA by December 31, 2007 that identified the method(s) by which each refinery flare would comply with NSPS J.				
2	Pursuant to CD-XII-239, a certification of compliance was submitted to EPA, accepting NSPS J applicability for all five flares at the refinery. Flare gas recovery systems were installed on the four main refinery flares (FL-003, FL-004, FL-006, and FL-501) December 2011. FL-005 elected to comply with §60.105(a)(4) and an H ₂ S monitoring system was installed at the end of December 2007.				
3	Pursuant to CD-XII-240, a performance test was performed on FL-005 within 90 days of bringing the flare into compliance with NSPS J using an H ₂ S monitoring system. .				
5. Progress Report Submission Schedule		N/A			

Alternative Requirement

Alternative Requirement162



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

August 31, 2012

Ms. Joan Owen
Environmental Engineer
Diamond Shamrock Refining Company, L.P.
Three Rivers Refinery
P.O. Box 490
Three Rivers, Texas 78071-0490

Re: Alternative Monitoring Plan (AMP) – Fluid Catalytic Cracking Unit (FCCU) Catalyst Regenerator Wet Gas Scrubber (WGS) at the Diamond Shamrock Refining Company, L.P., Three Rivers Refinery ("Three Rivers Refinery" or "Refinery"), formerly the Valero Three Rivers Refinery, Three Rivers, Texas; Valero Consent Decree No. SA-05-CA-0569 ("Valero CD")

Dear Ms. Owen:

This letter is in response to multiple AMP requests and supplemental information provided for the Three Rivers Refinery¹, pertaining to the FCCU WGS subject to New Source Performance Standards (NSPS) for Petroleum Refineries (Subpart J) and National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories, Petroleum Refineries (40 Code of Federal Regulations (CFR) Subpart UUU). Your AMP proposes parametric monitoring for the FCCU WGS, in lieu of a Continuous Opacity Monitoring System (COMS), due to moisture interference in the stack. Based upon the particular design of your WGS unit, process specific information, and performance test data provided for the FCCU WGS, the United States Environmental Protection Agency (EPA) approves your AMP for the FCCU WGS, as delineated within this letter.

Specifically, the Three Rivers Refinery FCCU WGS is a Belco Technology EDV® design. Key operating parameter limits (OPLs) were preliminarily identified² and then determined by performance testing to ensure that the WGS functions as intended and that emissions from the corresponding FCCU Regenerator will meet both the Valero CD, and NSPS and NESHAP regulatory requirements.

1. **Minimum Liquid-to-Gas Ratio ("L/G")** – unitless value shall not fall below 0.00138 where

- a. "L" is defined as the *total liquid flowrate to the WGS* in actual cubic feet per

¹ Initial AMP dated December 29, 2004; communications as outlined in EPA electronic mail message dated July 5, 2005; subsequent information and data provided by Three Rivers Refinery letters dated October 13, 2005, and July 10, 2012.

² The WGS AMP proposed a fourth operating parameter limit, minimum AFM pump discharge pressure of 98.58 psig. However, EPA determined that the proposed fourth operating parameter limit is redundant given the other OPLs established in this AMP letter.

min (acfm), and shall be determined by *pump curve correlations* in consideration of all operating pumps that provide liquid flow to any portion of the scrubber.

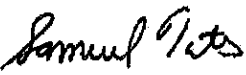
- b. "G" is defined as *total gas flowrate to the WGS* in acfm, and *shall be considered equivalent to the FCCU Catalyst Regenerator exhaust gas flow, Q_{Gas}* , calculated according to Equation 1 at 40 CFR §63.1573(a)(1)(iii).

2. **Minimum Water Pressure to Nozzles in Quench/Spray Tower (P_Q)** – Measured in pounds per square inch gauge pressure (psig), value not to fall below 48.92 psig.
3. **Minimum Pressure Drop Across the Agglo Filtering Modules (ΔP_{FM})** – Measured in inches of water (in H_2O), value not to fall below 9.43 in H_2O .

The OPLs listed above are based upon evaluation of three one-hour test runs for each of two different test conditions of the Three Rivers Refinery's June 2012 performance test and are set as a three-hour (3-hour) hourly rolling average (HRA) limit. The two test conditions were conducted at FCCU charge rates of 16,690 barrels per day (BPD) and 19,501 BPD. The particulate matter (PM) performance test results of 0.268 lbs per 1000 lbs of coke burn off and 0.156 lbs per 1000 lbs of coke burn off, respectively, were well below the PM limit of 1.0 lb per 1000 lbs of coke burn off. The Three Rivers Refinery provided calculations for surrogate parameters in the same testing period in order to demonstrate correlations at each test condition.

This AMP approval shall be incorporated into the Three Rivers Refinery Title V permit. A deviation shall be reported and recorded for each monitoring period that any of the WGS OPLs fall below the minimum values listed above. Please feel free to contact either Mr. Daniel Hoyt, of my staff, at (214) 665-7326, or Ms. Cynthia Kaleri, of my staff, at (214) 665-6772, with any questions about this approval.

Sincerely,


David F. Garcia
Associate Director
Air/Toxics & Inspection
Coordination Branch

cc: Michael De La Cruz
Texas Commission on
Environmental Quality (TCEQ)
Salal Tahari (TCEQ)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

August 31, 2012

Ms. Joan Owen
Environmental Engineer
Diamond Shamrock Refining Company, L.P.
Three Rivers Refinery
P.O. Box 490
Three Rivers, Texas 78071-0490

Re: Alternative Monitoring Plan (AMP) – Fluid Catalytic Cracking Unit (FCCU) Catalyst Regenerator at the Diamond Shamrock Refining Company, L.P., Three Rivers Refinery ("Three Rivers Refinery" or "Refinery"), formerly the Valero Three Rivers Refinery, located in Three Rivers, Texas; Valero Consent Decree No. SA-05-CA-0569 ("Valero CD")

Dear Ms. Owen:

This letter is in response to your AMP request dated July 10, 2012, pertaining to calculation of coke burn rate and exhaust gas flow from the FCCU Catalyst Regenerator subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories, Petroleum Refineries (40 Code of Federal Regulations (CFR), Subpart UUU). Your AMP request proposes daily grab sample analyses for determining percent oxygen (%O₂), percent carbon monoxide (%CO), and percent carbon dioxide (%CO₂), in lieu of continuous monitoring, for use in calculating the hourly average flow rate of exhaust gas (Q_r) and coke burn off rate (R_c) from the FCCU Catalyst Regenerator ("Regenerator"). Based upon the process specific information and performance test data you provided for the FCCU Regenerator, the United States Environmental Protection Agency (EPA) conditionally approves your AMP as an interim measure only, as delineated within this letter.

The Three Rivers Refinery proposed to use a daily grab sample analysis for %O₂, %CO, and %CO₂, instead of using continuous analyzers, to calculate the volumetric flow rate of exhaust gas from the catalytic regenerator, and the daily coke burn off rate. The regenerator gas flow rate would be calculated using Equation 2 of 40 CFR §63.1573, which is an allowable alternative to directly measuring the gas flow rate. The calculated regenerator gas flow rate and the daily grab sample analyses results would then be used to calculate the average coke burn off rate using equation 1 of 40 CFR §63.1564, which is required for continuous demonstration of compliance by 40 CFR §63.1564(c)(1) and Table 6 to Subpart UUU. The AMP request further proposed use of a calculated annual average absolute humidity to convert the main air blower flow rate data (Q_a) to dry standard cubic feet per minute (dscfm) for the regenerator gas flow rate calculation.

Based on the information you submitted, the Refinery has no continuous exhaust gas flow monitoring device on the FCCU Regenerator stack (EPN 400S-1), nor on the FCCU wet gas scrubber (WGS) stack (EPN V-010), and must therefore calculate the gas flow rate. The continuous emission monitoring system (CEMS) installed on the WGS stack measures %O₂, %CO, and %CO₂, as well as nitrogen oxides (NO_x) and sulfur dioxide, but the location of the CEMS downstream from the control devices precludes using the %O₂, %CO, and %CO₂ CEMS data for the regenerator gas flow rate calculation. The data cannot be used to calculate the regenerator gas flow rate because


emissions control devices, a LoTOx™ Technology system and a Belco EDV® WGS, affect the %O₂, %CO, and %CO₂ data via control of NO_x and sulfur dioxide, and because the LoTOx™ Technology system requires ozone injection.

Information provided by the Refinery under a separate AMP request relating to the FCCU WGS¹ included performance test data, and calculation of the FCCU coke burn rate and corresponding particulate emission rate using Equations 1 and 2, respectively, at 40 CFR §63.1564(b)(4)(i). The separate AMP approval dated August 31, 2012, requires a gas flow rate calculation based upon use of Equation 1 at 40 CFR §63.1573(a)(1)(iii), because this gas flow rate calculation allows for the use of continuous monitoring data to demonstrate compliance.

Because the FCCU Catalyst Regeneration operations do not vary significantly on a daily basis and exhaust gases from the regenerator are not further combusted in the waste heat boiler, EPA approves the use of daily grab samples upstream of the waste heat boiler and WGS for determining the daily coke burn-off rate until Three Rivers Refinery can install monitoring devices for the Regenerator exhaust gas flow rate, %O₂, %CO, and %CO₂, some time prior to the next scheduled performance test. EPA disapproves the use of an annual average absolute humidity to convert Q_a to units of dscfm, for the Q_r calculation. Instead, EPA requires the Refinery to use ambient humidity data at the time the grab samples are collected to convert Q_a to dscfm.

This conditional approval is consistent with our approval of parametric monitoring of the FCCU WGS in an August 31, 2012 AMP, and is based upon that information provided and outlined in this letter. If operations change, or new information becomes available, a new AMP request must be submitted. Please contact either Daniel Hoyt, or my staff, at (214) 665-7326, or Cynthia Kaleri, of my staff, at (214) 665-6772, for questions pertaining to this AMP conditional approval.

Sincerely,


David F. Garcia
Associate Director
Air/Toxics & Inspection
Coordination Branch

cc: Michael De La Cruz
Texas Commission on
Environmental Quality (TCEQ)
Salal Tahari (TCEQ)

¹ The AMP request related to FCCU Wet Gas Scrubber dated December 29, 2004, and follow-up communications outlined in the EPA electronic mail message dated July 5, 2005, were used in this determination as background information on process operations.

Appendix A

Acronym List	167
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Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
ELP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound